

ASH GROVE CEMENT COMPANY



"WESTERN REGION"

August 16, 1996

Mr. Fred Austin
Puget Sound Air Pollution Control Agency
110 Union Street, Suite 500
Seattle Washington 98101-2038

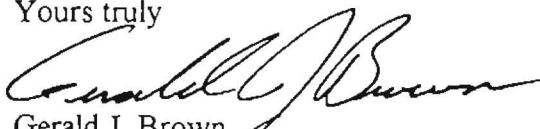
Dear Mr. Austin;

Enclosed is a Notice of Construction application to modify current PSAPCA NOC # 5696 dated January 11, 1995 for the addition of three covered 36" conveyors to existing to raw material conveyance system which encompasses barge unloading, transfer and stockpiling of solid raw materials and fuels used in the manufacture of Portland cement.

Due to changes which rerouted the existing conveyance system, two dust collectors referred to in NOC # 5696 were made unnecessary and are no longer used. This application is for the use of water sprays as the means for dust control on this conveyance system.

Please call should you have any questions.

Yours truly



Gerald J. Brown
Manager, Safety and Environmental

AGCS2M002034



PUGET SOUND AIR POLLUTION CONTROL AGENCY

ENGINEERING DIVISION

110 Union Street, Suite 500 • Seattle, WA 98101-2038

Telephone: (206) 689-4052

Notice of Construction and Application for Approval

FORM P
SIDE 1

Be sure to complete items 39, 40, 41, & 43 before submitting Form P.

(AGENCY USE ONLY)

DATE _____ N/C NUMBER _____
REG. NO. _____ VAR. NO. _____
SIC. NO. _____ COS. NO. _____
GRID NO. _____ UTM _____

1. TYPE OF BUILDING (Check) <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing	2. STATUS OF EQUIPMENT (Check) <input type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Altered <input type="checkbox"/> Relocation	7. APPLICANT <i>Same</i>
3. COMPANY (OR OWNER) NAME <i>Ash Grove Cement Co</i>		8. APPLICANT ADDRESS
4. COMPANY (OR OWNER) MAILING ADDRESS <i>3801 E. Marginal Way So</i>		9. INSTALLATION ADDRESS
5. NATURE OF BUSINESS <i>Cement Manufacturing</i>		10. TYPE OF PROCESS

EQUIPMENT (ENTER ONLY NEW EQUIPMENT OR CHANGES. ENTER NUMBER OF UNITS OF EQUIPMENT IN COLUMN 'NO. OF UNITS.' COMPLETE FORM 'S' FOR EACH ENTRY.)

11. NO. OF UNITS	SPACE HEATERS OR BOILERS (Complete Form S-A)	14. NO. OF UNITS	OVENS	15. NO. OF UNITS	MECHANICAL EQUIP.	16. NO. OF UNITS	MELTING FURNACES
(a)		(a)	CORE BAKING OVEN	(a)	AREAS	(a)	POT
12. NO. OF UNITS	INCINERATORS (Complete Form S-B)	(b)	PAINT BAKING	(b)	BULK CONVEYOR	(b)	REVERBERATORY
		(c)	PLASTIC CURING	(c)	CLASSIFIER	(c)	ELECTRIC INOC/RESIST
(a)		(d)	LITHO COATING OVEN	(d)	STORAGE BIN	(d)	CRUCIBLE
13. NO. OF UNITS	OTHER SYSTEMS	(e)	DRYER	(e)	BAGGING	(e)	CUPOLA
		(f)	ROASTER	(f)	OUTSIDE BULK STORAGE	(f)	ELECTRIC ARC
(a)	DEGREASING, SOLVENT	(g)	KILN	(g)	LOADING OR UNLOADING	(g)	SWEAT
(b)	ABRASIVE BLASTING	(h)	HEAT-TREATING	(h)	BATCHING	(h)	OTHER METALLIC
(c)	OTHER - SYSTEM	(i)	OTHER	(i)	MIXER (SOLIDS)	(i)	GLASS
(d)		(j)		(j)	OTHER	(j)	OTHER NON METALLIC
17. NO. OF UNITS	GENERAL OPER. EQUIP.	17. NO. OF UNITS	GENERAL OPER. EQUIP.	17. NO. OF UNITS	GENERAL OPER. EQUIP.	18. NO. OF UNITS	OTHER EQUIPMENT
(a)	CHEMICAL MILLING	(f)	GALVANIZING	(k)	ASPHALT BLOWING	(a)	SPRAY PAINTING GUN
(b)	PLATING	(g)	IMPREGNATING	(l)	CHEMICAL COATING	(b)	SPRAY BOOTH OR ROOM
(c)	OIGESTER	(h)	MIXING OR FORMULATING	(m)	COFFEE ROASTER	(c)	FLOW COATING
(d)	DRY CLEANING	(i)	REACTOR	(n)	SAWS & PLANERS	(d)	FIBERGLASSING
(e)	FORMING OR MOLDING	(j)	STILL	(o)	STORAGE TANK	(e)	OTHER

CONTROL DEVICES (ENTER NUMBER OF UNITS OF EQUIPMENT IN SPACES IN COLUMNS. COMPLETE A FORM R FOR EACH ENTRY.)

19. NO. OF UNITS	CONTROL DEVICE	20. NO. OF UNITS	CONTROL DEVICE	21. NO. OF UNITS	CONTROL DEVICE	22. NO. OF UNITS	CONTROL DEVICE
(a)	SPRAY CURTAIN	(a)	AIR WASHER	(a)	ABSORBER	(a)	DEMISTER
(b)	CYCLONE	(b)	WET COLLECTOR	(b)	ADSORBER	(b)	BAGHOUSE
(c)	MULTIPLE CYCLONE	(c)	VENTURI SCRUBBER	(c)	FILTER PADS	(c)	ELEC. PRECIPITATOR
(d)	INERTIAL COLL. - OTHER	(d)		(d)	AFTERBURNER	(d)	OTHER

23. BASIC EQUIPMENT COST (Estimate)	24. CONTROL EQUIPMENT COST (Estimate)	25. DAILY HOURS <i>As Required</i> FROM _____ AM TO _____ PM	26. DAYS OF OPERATION (Circle) <i>S M T W T F S</i>
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27. ESTIMATED STARTING DATE OF CONSTRUCTION:	28. ESTIMATED COMPLETION DATE OF CONSTRUCTION: <i>August 30, 1996</i>
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29. RAW MATERIALS (List starting material used in process) AND FUELS (Type and amount)	ANNUAL AMT. UNITS	30. PRODUCTS (List End Products)	ANNUAL PROD. UNITS

AGCS2M002035

SEA0438

PUGET SOUND AIR POLLUTION CONTROL AGENCY
 Engineering Division ■ 110 Union Street, Room 500 ■ Seattle, Washington 98101-2038 ■ (206) 689-4052
NOTICE of CONSTRUCTION & APPLICATION for APPROVAL

FOR AIR POLLUTION CONTROL EQUIPMENT ONLY

FORM R

For Agency Use:

Date: _____ N/C# _____

*Note: Information required by Section 1a must be completed for this form to be accepted for review.

1	a. Complete the Sections Indicated* [] 1 [] 2 [] 3 [] 4 [] 5 [] 6 [] 7 [] 8 [] 9 [] 10 [] 11 [] 12		b. Company (or owner) Installation Address 3801 E Marginal Way So. Seattle	
	c. Company (or owner) Name Ash Grove Cement Co		d. Applicant Same	
	e. Prepared by (name and title) Gerald J. Brown Env. Safety Mgr		f. Prepared by (signature) <i>G. J. Brown</i>	g. Phone 623-5596
2	a. AIR POLLUTION CONTROL EQUIPMENT	b. Type of Equipment Water Sprays	c. Make & Model	d. Dimensions (LxWxH)
	e. Number of Units	f. Capacity See Narrative.	g. Auxiliary Equipment	h. Connected to:
3	a. BAGHOUSE	b. Number of Bags	c. Shaking Cycle (auto or manual rapping or reverse air)	d. Cloth Area
	e. Material Used	f.	g. Air-to-Cloth Ratio (ft/minute)	h. Connected to:
4	a. ELECTROSTATIC PRECIP.	b. Electrode Separation (ft)	c. Coll. Electrode Dimensions LxW (ft)	d. Mean Velocity of Gas (ft/sec)
	e. Area (sq ft)	f. Voltage	g. Coll. Electrode or Plate Area (sq ft)	h. Connected to:
5	a. BURNERS	b. Type of Burner, Fuel	c. Make & Model	d. Rating
	e. Number of Units; Ignition	f.	g. CFM Exhausted (Temperature) _____ (____ °F)	h. Connected to:
6	a. STACKS, VENTS	b. Type of Vent	c. Dimensions (LxWxH)	d. Dampers
	e. No. of Vents; Material Used	f.	g. CFM Exhausted (Temperature) _____ (____ °F)	h. Connected to:
7	a. SCRUBBERS	b. Type of Flow (spray, bubbler)	c. Packing Type/Size	d. Pressure Drop (inches of water)
	e. Composition of Solution	f.	g. Flow Rate (GPM)	h. Make-Up (GPM)
8	a. FANS	b. Type of Fan (designate blade)	c. Make & Model	d. Motor Data _____ RPM _____ HP
	e. Number of Fans; Material Used	f.	g. CFM Exhausted (Temp @ SP) _____ (____ °F)	h. Connected to:
9	a. CYCLONES	b. Type of Cyclone [] Common [] Split Duct [] Multiclone	c. Make & Model	d. Inlet Area (sq ft)
	e. Number of Units; Material Used	f. Body Dia. (in.) Outlet Dia. (in.)	g. Body Height (in.) Efficiency	h. Connected to:
10	a. COLLECTION DATA	b. Description of Collected Matl.	c. Amount Collected (lbs/day)	d. Particle Size (microns avg.)
	e. Types of Pollutants [] Gas [] Particulate [] Odor	f.	g. Collection Efficiency	h. Disposition of Collection Waste
11	a. GAS FLOW	b. Actual CFM	c. SCFM (Reg I Standard)	d. Temperature (°F) In _____ Out _____
	e. Pressure Drop	f. Efficiency	g. Inlet and Outlet Pollutant Concentrations	h.
12	a. ADDITIONAL DATA	b. [] Attach Brochure	c. [] Attach Plans/Specs	d. [] Attach Emission Estimate (show calculation)
	e. [] Submit Narrative Description of Process	f. [] Submit Source Test Data	g. [] Submit Modeling Data	h. [] Attach Schedule of Equipment with Make, Model, Capacity
	i. []	j. []	k. []	l. []

Narrative
RAW MATERIALS/FUELS TRANSFER AND CONVEYING

This Notice of Construction application modifies current PSAPCA NOC No. 5696 dated January 11, 1995 which is applicable to barge unloading, transfer and stockpiling of solid raw materials and fuels used in the manufacture of Portland Cement.

Recent changes in the routing of the conveyance system from the barge to the dock eliminated the use for the two of the dust collectors referenced in NOC 5696. The collectors no longer in use were located on Transfer Tower 9 and 10. As these devices were no longer a part of the present conveyance system, they have been removed from service, Ash Grove submits this application to modify NOC 5696 to use water sprays at two locations along the existing conveyor system and at the discharge ends of each conveyor. Water sprays will be used as necessary to control dust at Transfer Towers #10A, #11 and at the discharge ends of the new conveyers.



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PUGC

AUG 19 1996

Notice of Construction and Application for Approval

FORM P
SIDE 1

Be sure to complete items 39, 40, 41, & 43 before submitting Form P.

AGENCY USE ONLY
DATE 8/19/96 N/C NUMBER 6644
REG. NO. 11339 VAR. NO.
SIC. NO. COS. NO.
GRID NO. UTM

1. TYPE OF BUILDING (Check) <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing	2. STATUS OF EQUIPMENT (Check) <input type="checkbox"/> New <input type="checkbox"/> Existing <input checked="" type="checkbox"/> Altered <input type="checkbox"/> Relocation	7. APPLICANT <u>Same</u>
3. COMPANY (OR OWNER) NAME <u>Ash Grove Cement Co</u>		8. APPLICANT ADDRESS
4. COMPANY (OR OWNER) MAILING ADDRESS <u>3801 E. Marginal Way So</u>		9. INSTALLATION ADDRESS <u>98134</u>
5. NATURE OF BUSINESS <u>Cement Manufacturing</u>		10. TYPE OF PROCESS <u>Modify NC 5696 - Use water spray</u>

EQUIPMENT (ENTER ONLY NEW EQUIPMENT OR CHANGES. ENTER NUMBER OF UNITS OF EQUIPMENT IN COLUMN 'NO. OF UNITS.' COMPLETE FORM 'S' FOR EACH ENTRY.)

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(c) _____	ABRASIVE BLASTING	(g) _____	KILN	(g) _____	LOADING OR UNLOADING	(g) _____	SWEAT
(d) _____	OTHER - SYSTEM	(h) _____	HEAT-TREATING	(h) _____	BATCHING	(h) _____	OTHER METALLIC
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(c) _____	DIGESTER	(c) _____	MIXING OR FORMULATING	(c) _____	COFFEE ROASTER	(c) _____	FLOW COATING
(d) _____	DRY CLEANING	(d) _____	REACTOR	(d) _____	SAWS & PLANERS	(d) _____	FIBERGLASSING
(e) _____	FORMING OR MOLDING	(e) _____	STILL	(e) _____	STORAGE TANK	(e) _____	OTHER

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